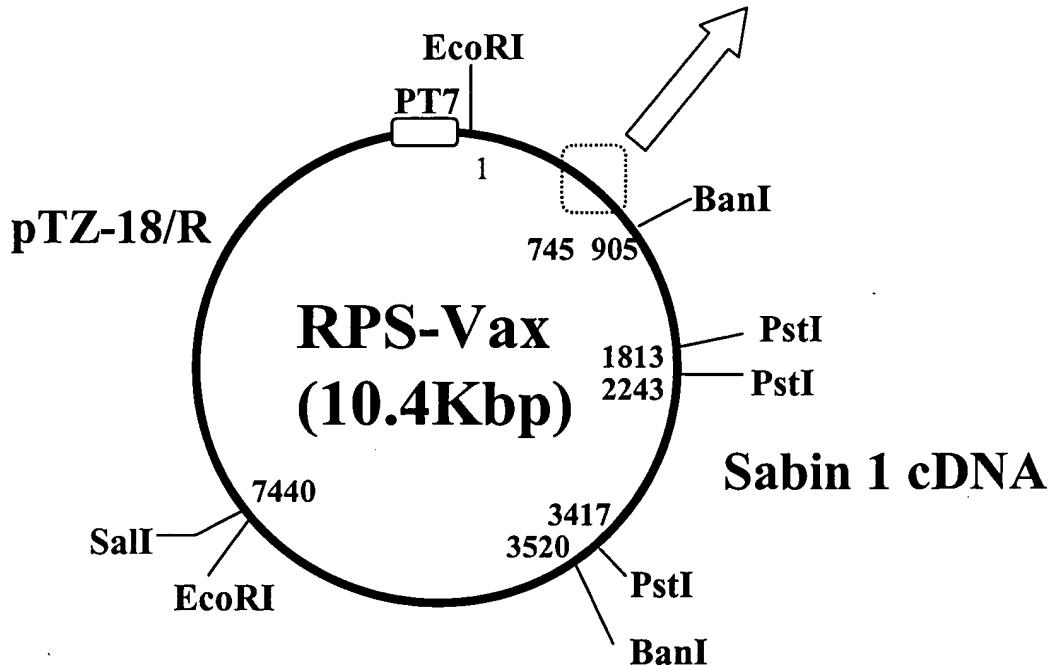
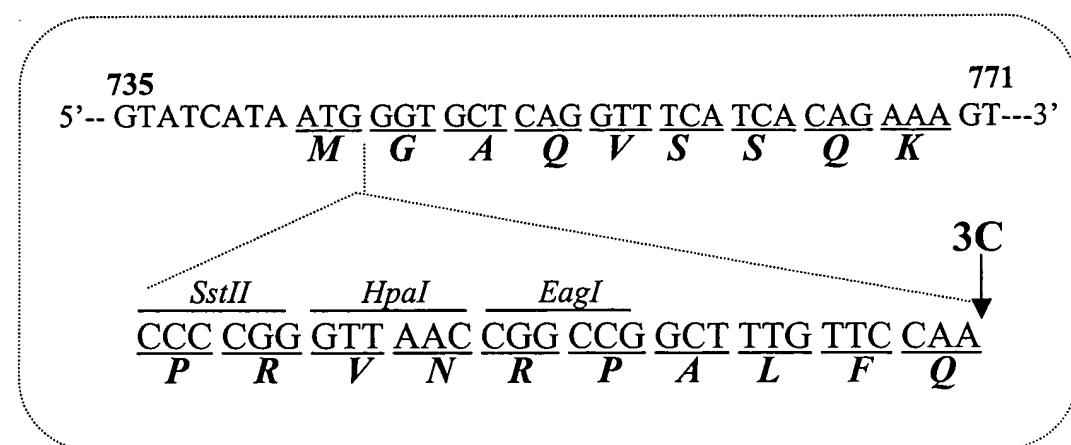
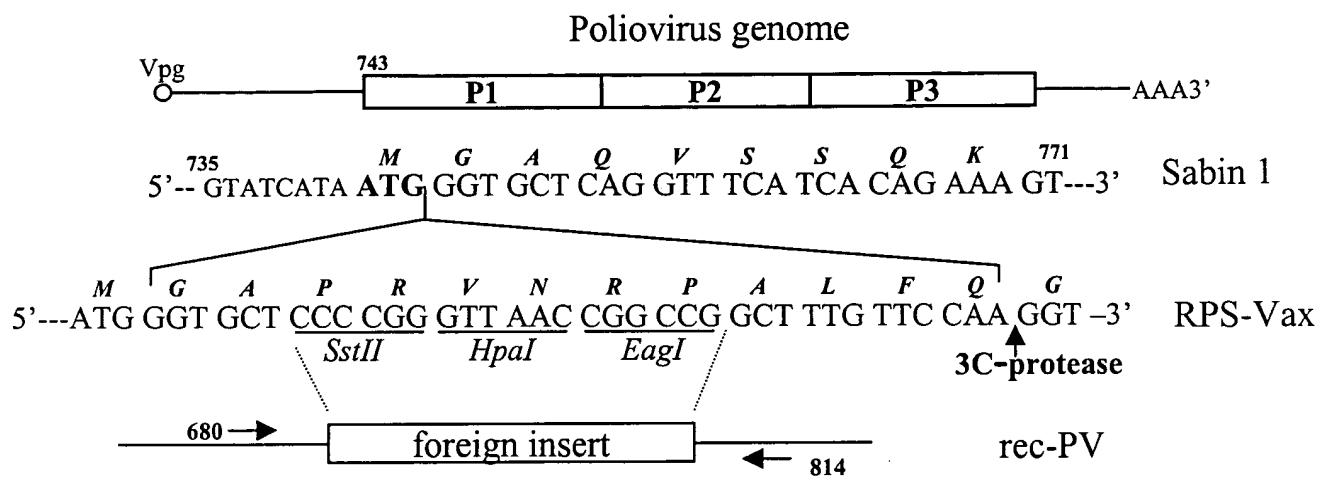


Fig. 1



**Poliovirus Sabin 1
vector (RPS-Vax) system**

Fig. 2



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Fig. 3a

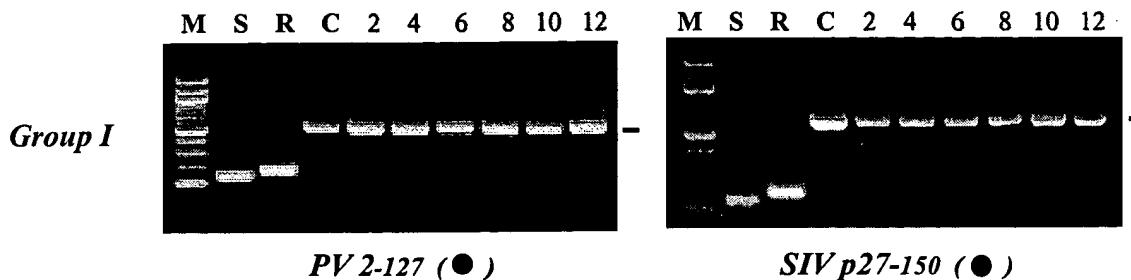


Fig. 3b

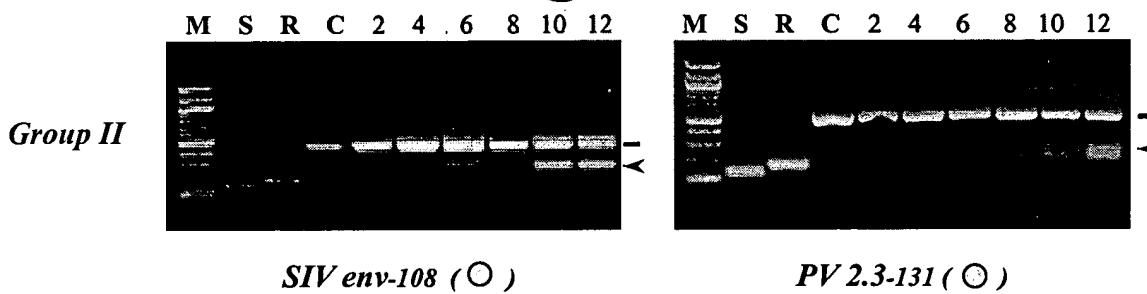


Fig. 3c

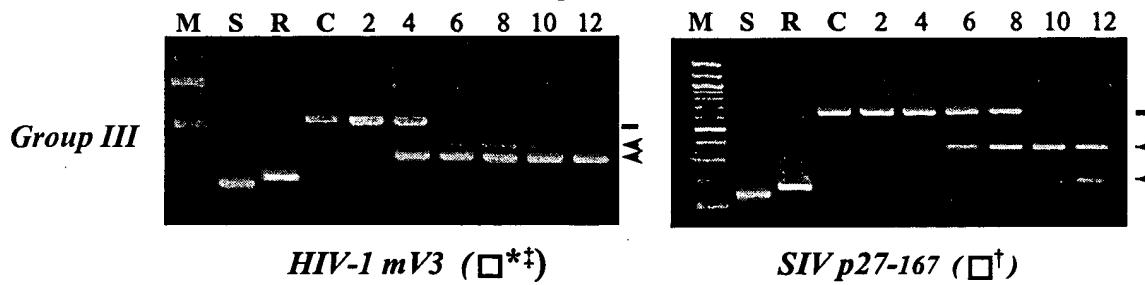
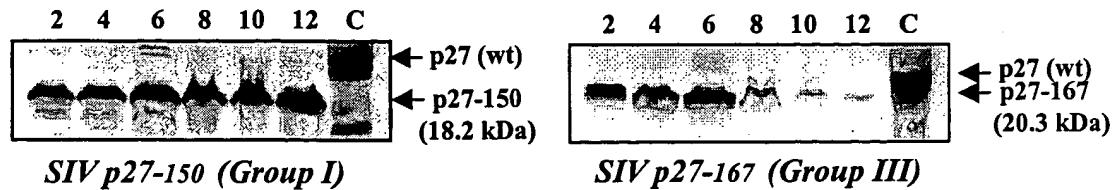
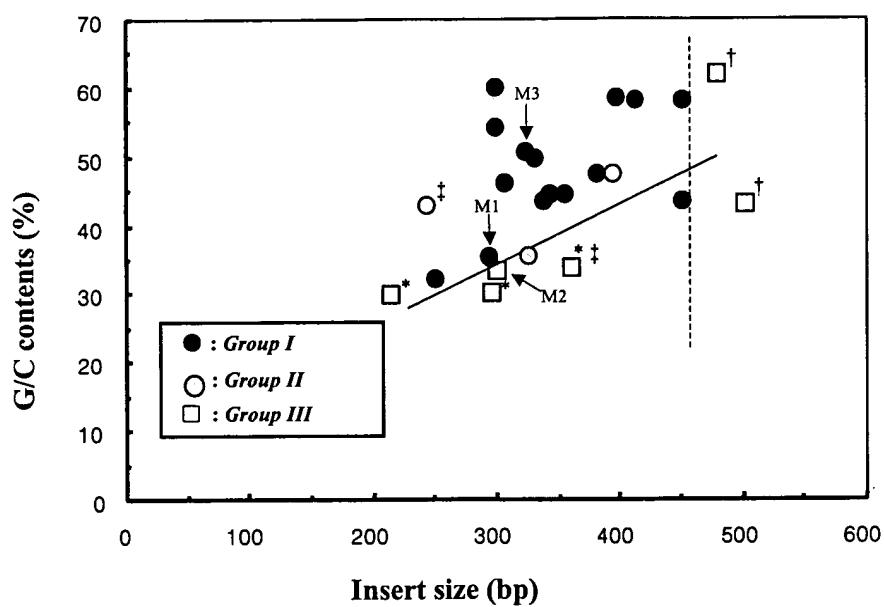


Fig. 3d



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Fig. 4



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Fig. 5a

SIV env-108 (G/C content, 35.4 %)

ACTTCTACTT GGTTGGCTT TAATGGAAC AGAGCAGAAA ATAGAACTTA TATTTACTGG

AGC C C C G G C C C C

CATGGTAGGG ATAATAGGAC TATAATTAGT TTAAATAAGT ATTATAATCT AACAAATGAAA

C CC G C C CCG C C C C C C

TGTAGAAGAC CAGGAAATAA GACAGTTTA CCAGTCACCA TTATGTCTGG ATTGGTTTC

C G GC C C G C C G C

CACTCACAAAC CAATCAATGA TAGGCCAAAG CAGGCATGGT GTTGGTTGG AGGAAAATGG

G C C C C C C G

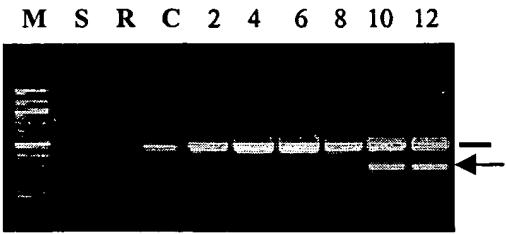
AAGGATGCAA TAAAAGAGGT GAAGCAGACC ATTGTCAAAC ATCCCAGGTA TACTGGAAC

C G G C

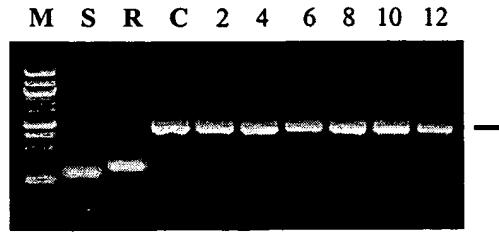
AACAATACTG ATAAAATCAA TTTG

C C G - SIV env-108/M (G/C content, 50.3%)

Fig. 5b



SIV env-108 (35.4%)



SIV env-108/M (50.3%)

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Fig. 5c

SIV gag-100 (G/C content, 45%)

AGCCCGAGAA CATAAATGC CTGGGTAAAA TTGATAGAGG AAAAGAAATT TGGAGCAGAA

T A A A A A

GTAGTGCAG GATTCAGGC ACTGTCAGAA GGTTGCACCC CCTATGACAT TAATCAGATG

T A T A T T A T A

TTAAATTGTG TGGGAGACCA TCAAGCGGCT ATGCAGATTA TCAGAGATAT TATAAACGAG

A T A A A T A T A

GAGGCTGCAG ATTGGGACTT GCAGCACCCA CAACCAGCTC CACAACAAGG ACAACTTAGG

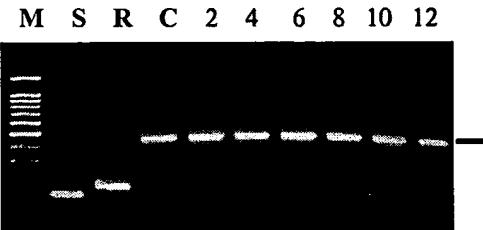
A T A A T A A

GAGCCGTCAG GATCAGATAT TGCAGGAACA ACTAGTTAG TAGATGAACA AATCCAGTGG

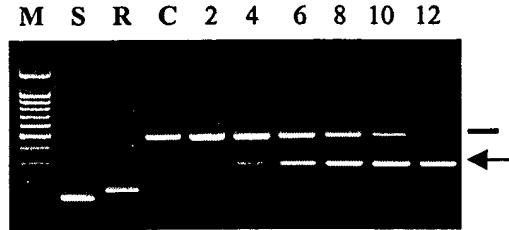
A T T A

- SIV gag-100/M (G/C content, 34%)

Fig. 5d



SIV gag-100 (45%)



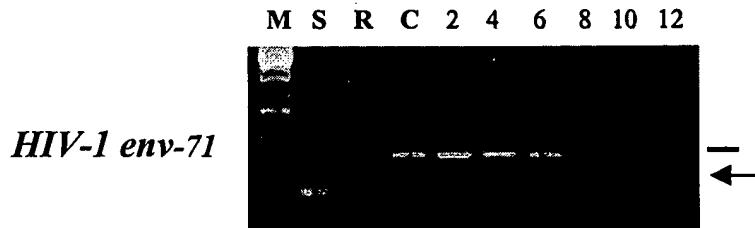
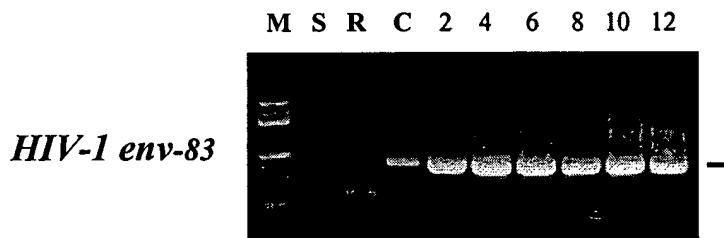
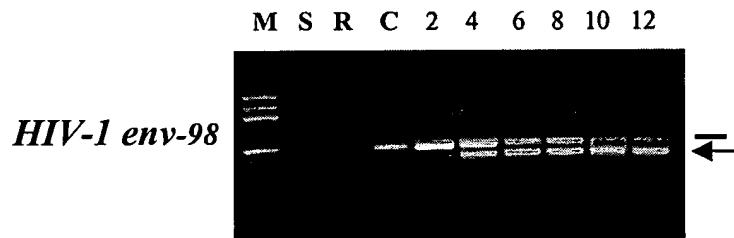
SIV gag-100/M (34%)

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Fig. 6a

	<u>Major deletion site</u>				<u>size(bp)</u>	<u>G/C(%)</u>	<u>ΔG</u>
<i>env-98</i>	1	165	261	294	294	30.6	-56.2
<i>env-83</i>	1	249			249	32.5	-48.9
<i>env-71</i>	82	142	264	294	213	30.0	-36.5

Fig. 6b



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Fig. 7a

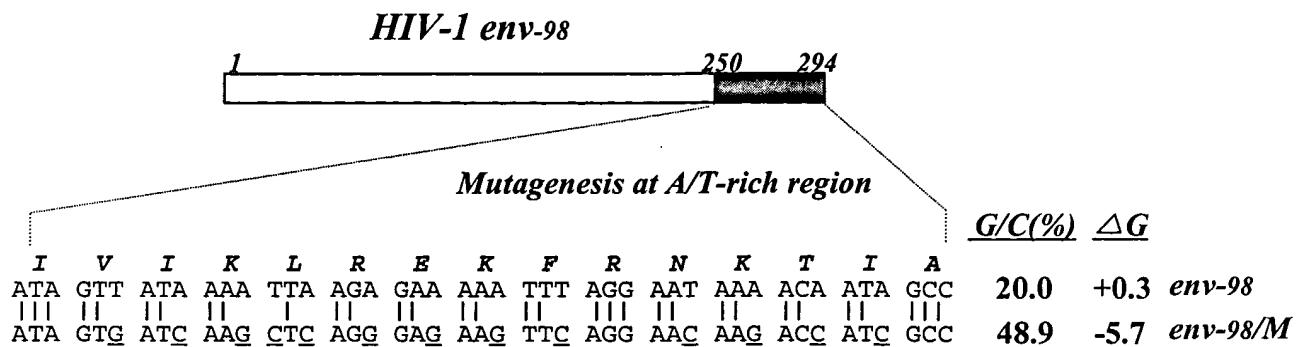


Fig. 7b

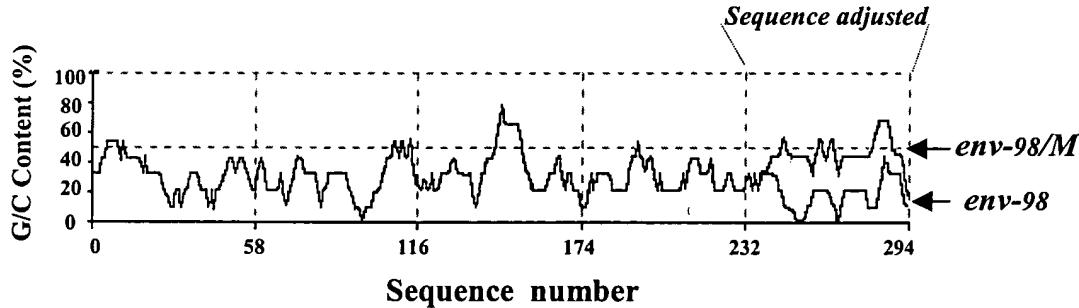
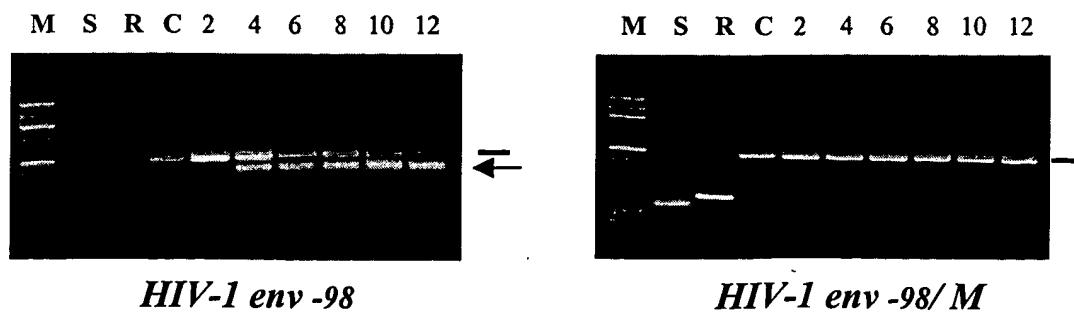
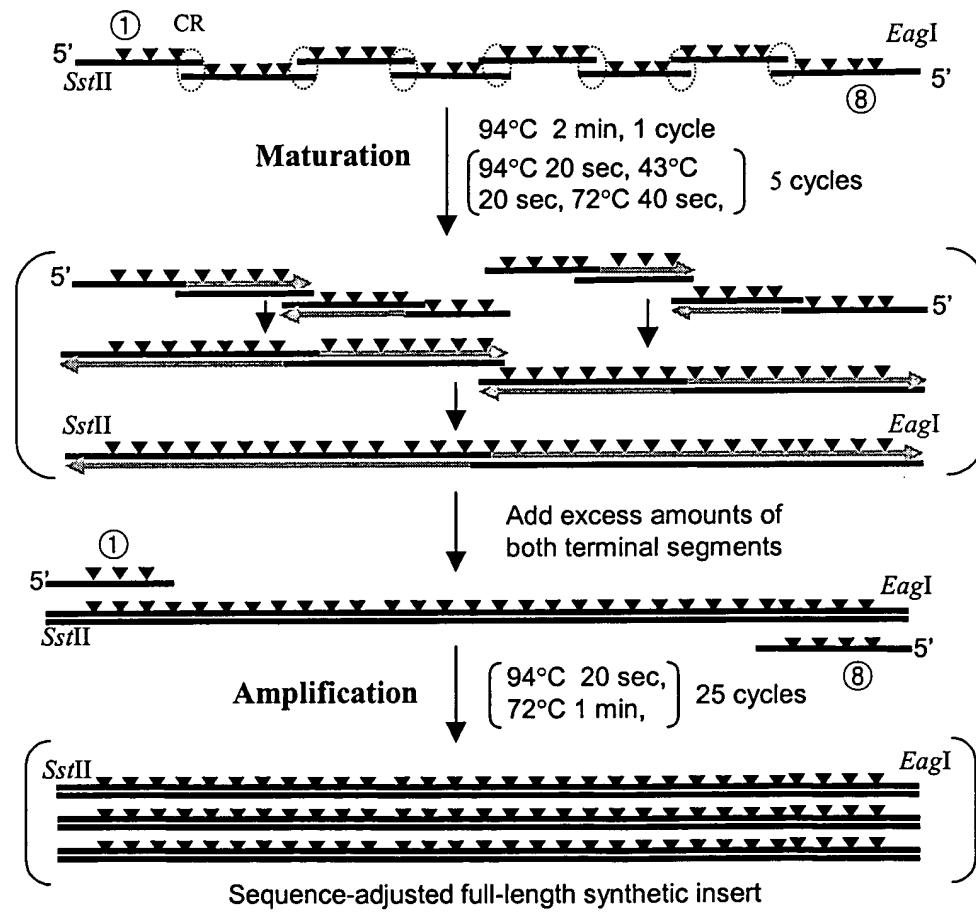


Fig. 7c



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Fig. 8



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Fig. 9

1 A K A V A A W T L K A A A G Q A S T E G D C G C P 25
1 GCT AAG GCC GTT GCA GCC TGG ACC CTG AAA GCC GCT GCA GGC CAA GCC TCC ACC GAA GGC GAC TGC GGT TGC CCA 75
26 [A. I. I. E. V. D N D A P T K R A S K L] F S E F E V D [N] 50
76 GCC ATT ATT GAA GTG GAT AAT GAT GCT CCA ACA AAG CGT GCC AGT AAA TTA TTC AGC GAA TTC GAG GTC GAT AAT 150
C C G C C T C A C G C C
51 [E Q P T T R A Q K] L F A M W R I T Y K [D N D A P T] 75
151 GAA CAA CCA ACC ACC CGG GCA CAG AAA CTC TTC GCC ATG TGG CGT ATC ACT TAC AAG GAT AAT GAT GCT CCA ACA 225
G G C T A C G C
76 [K R A S K L] C V R I Y M K P K H V R C S G C P [A I] 100
226 AAG CGT GCC AGT AAA TTA TGC GTC CGA ATC TAC ATG AAG CCC AAG CAC GTT CGA TGC TCC GCC TGT CCC GCC ATT 300
C A T C C G
101 [I. E. V. D N D A P T K R A S K L] D N Y Q S P C A I [N] 125
301 ATT GAA GTG GAT AAT GAT GCT CCA ACA AAG CGT GCC AGT AAA TTA GAC AAC TAC CAG TCC CCA TGC GCG ATC AAT 375
C C C A C A G A T C A G C G
126 [E Q P T T R A Q K] S A G C F Y Q T R V V V P S G C 150
376 GAA CAA CCA ACC ACC CGG GCA CAG AAA TCC GCT GGG TGC TTC TAT CAG ACC CGC GTC GTG GTT CCC TCA GGT TGT 450
G T T G A G

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Fig. 10

primer 1 →
5-ATTATA CCGCGG
(Sst II)
10 20 30 40 50 60
GCTAAGGCCG TTGCAGCCTG GACCCTGAAA GCCGCTGCAG GCCAAGCCTC CACCGAAGGC
3'-*GTGGCTTC*CG

70 80 90 100 110 120
GACTG-3'
CTGACGCCAA CGGGTCGGTA GTAGCTCCAG CTATTGCTAC GGGGATGGTT CGCTCGGTG-5'
← primer 2

130 140 150 160 170 180
AAGCTCTTCA GCGAATTCGA GGTGATAAT GAGCAGCCCA CTACCCGAGC CCAGA-3'
3'-*GATGGGCTCG* GGTCTTCGAG

190 200 210 220 230 240
primer 5 →
5'-TGCAG CAACTAAGCG CGCATCTAAA
AAGCGGTACA CCGCATAGTG AATGTTCCCTG TTACTACGCG GTTGATTGCG-5'
← primer 4

250 260 270 280 290 300
CTGTGCGTCC GAATCTACAT GAAGCCCAAG CACGTTCGAT GCTCC-3'
3'-*GTGCAAGCTA* CGAGGCCGAC AGGGCGATAA

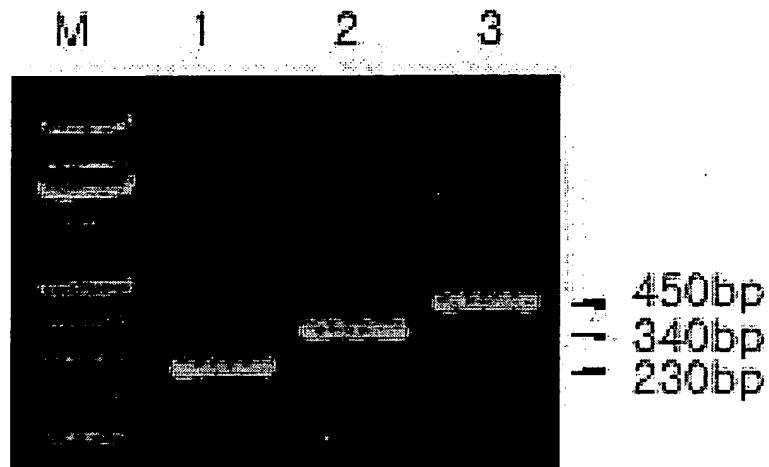
310 320 330 340 350 360
primer 7 →
5'-CCAAA CGGGCATCAA AGCTGGACAA CTACCAGTCC
TAGCTTCACC TATTGCTGCG TGGTTGGTTT GCCCCTAGTT-5'
← primer 6

370 380 390 400 410 420
CCATGCGCGA TCAACGAGCA ACCTACCACC CGTGC-3'
3'-*TGGATGGTGG* GCACGCGTTT TCAGGCGACCC CACGAAGATA

430 440 450
GTCTGGCGC AGCACCAAGG GAGTCCAACA-GCCGGC AATTAT-5'
← (Eag I) primer 8

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Fig. 11



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Fig. 12a

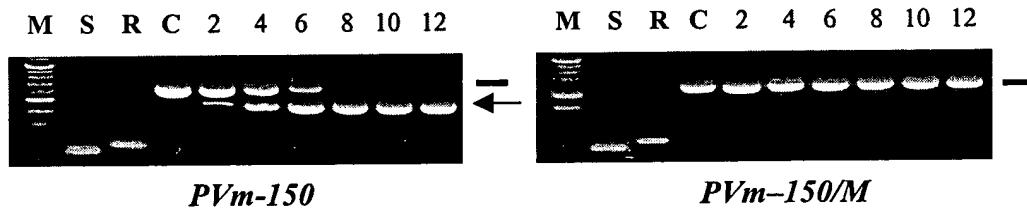
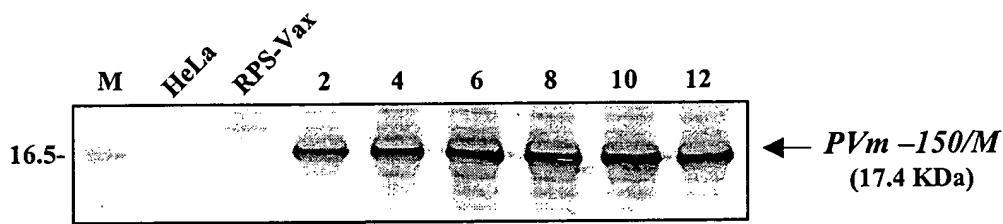


Fig. 12b



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Fig. 13

